

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER(客户名称)	Tonly	
CS P/N(客户机种)		
PART NAME(品名)	ZTX-SWH5-WIFI-1 天线组件	
MODEL NAME(型号名称)	ZTX-SWH5-WIFI-1-V02	
FREQUENCY(频率)	2400~2500/5150~5950/6025~6950/7000~7125MHz	
CUS.P/N(客户料号)		
ZTX NO.(物料编号)	2.00001721	
DATE(日期)	2025-07-02	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark(备注):

Sign(客户确认签字盖章):

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		覃乐	冯家能	



Shenzhen ZTX Communication Technology Co., Ltd

地址: 深圳市宝安区石岩镇石龙大道 34 号(腾达工业园)

邮编: 518000

电话: 0755-27588320

传真: 0755-27588045

<http://www.chinaztx.com>

ANTENNA SPECIFICATION

Revision history

版本	日期	状态
A0	2025-07-02	初版

ANTENNA SPECIFICATION

CUS P/N:

Application Date: Jul, 02, 2025

Rev: R:A0

ZTX P/N: SWH5-WIFI-1-V02

Editor:

Page 2 of 8

Index

		Revision history	1
		Index	2
1		Mechanical Specification	3
	1-1	Mechanical Specification (WIFI1 天线组件)	3
2		Test equipment	4
	2-1	Passive Test	5
	2-2	2D/3D Radiation Pattern Results	6~8

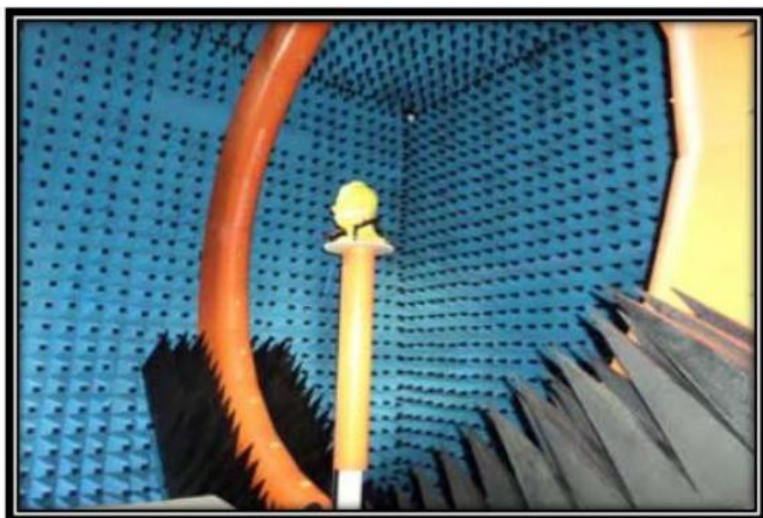
ANTENNA SPECIFICATION

CUS P/N:
ZTX P/N:SWH5-WIFI-1-V02

Application Date:Jul,02,2025
Editor:

Rev: R:A0
Page 4 of 8

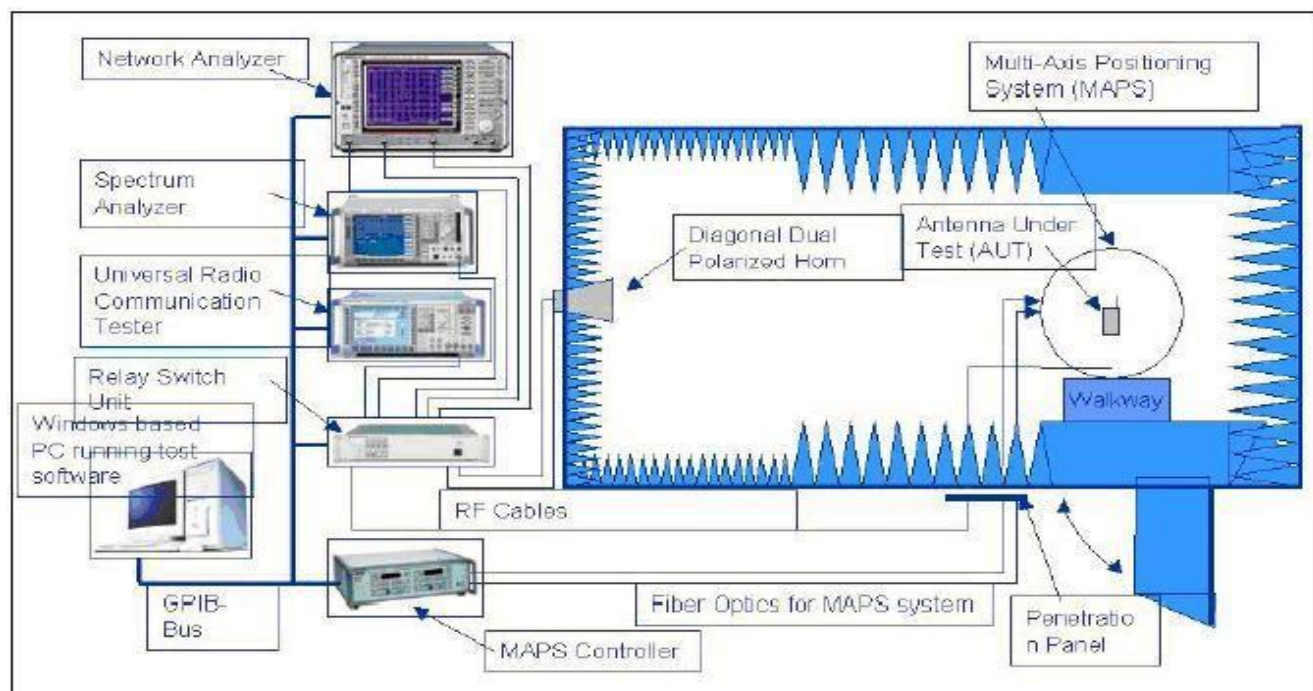
2.Test equipment



Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems (one in SHENZHEN, another one in Shanghai), ETS OTA Standard test system, Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide accurate test reports, fully meet the CTIA standards.

Testing range:

Support active, passive testing of
GSM/CDMA/WCDMA/TD-
SCDMA/LTE/WIFI/WLAN/WiMax/BT
/GPS/MIMO/UWB within 0.4-6G.



ANTENNA SPECIFICATION

CUS P/N:

ZTX P/N:SWH5-WIFI-1-V02

Application Date:Jul,02,2025

Editor:

Rev: R:A0

Page 5 of 8

2-1 Passive Test

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)	Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	42%	-3.82	2.83	5850	35%	-4.56	4.56
2410	42%	-3.77	2.91	5900	35%	-4.52	4.3
2420	43%	-3.68	2.53	5950	34%	-4.70	4.11
2430	44%	-3.58	2.67	6000	36%	-4.48	3.31
2440	44%	-3.60	2.43	6050	34%	-4.69	3.23
2442	43%	-3.63	2.72	6100	33%	-4.81	2.76
2450	42%	-3.72	2.76	6150	32%	-4.99	2.12
2460	40%	-3.96	2.90	6200	32%	-4.95	1.87
2470	42%	-3.73	2.92	6250	32%	-4.96	1.54
2480	41%	-3.86	2.95	6300	34%	-4.74	2.3
2484	41%	-3.91	2.77	6350	33%	-4.77	2.64
2490	42%	-3.72	2.98	6400	32%	-4.99	2.76
2500	40%	-3.96	2.87	6450	33%	-4.87	2.53
5150	32%	-4.98	3.73	6500	32%	-4.94	2.59
5200	33%	-4.84	3.88	6550	33%	-4.81	2.73
5250	34%	-4.67	3.86	6600	32%	-4.96	2.28
5300	33%	-4.85	3.84	6650	34%	-4.69	2.59
5350	33%	-4.82	3.69	6700	34%	-4.74	2.52
5400	35%	-4.61	3.56	6750	32%	-4.91	2.3
5450	34%	-4.67	3.88	6800	33%	-4.79	1.61
5500	36%	-4.47	3.90	6850	32%	-4.95	2.32
5550	37%	-4.33	3.96	6900	34%	-4.72	2.49
5600	34%	-4.67	3.61	6950	34%	-4.74	2.73
5650	33%	-4.81	3.56	7000	35%	-4.52	2.63
5700	36%	-4.41	3.89	7050	36%	-4.50	2.69
5750	37%	-4.37	4.01	7100	36%	-4.43	2.19
5800	35%	-4.54	4.12	7150	32%	-4.96	2.86

ANTENNA SPECIFICATION

CUS P/N:

ZTX P/N:SWH5-WIFI-1-V02

Application Date:Jul,02,2025

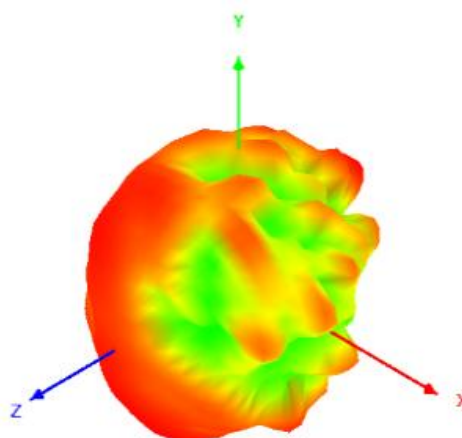
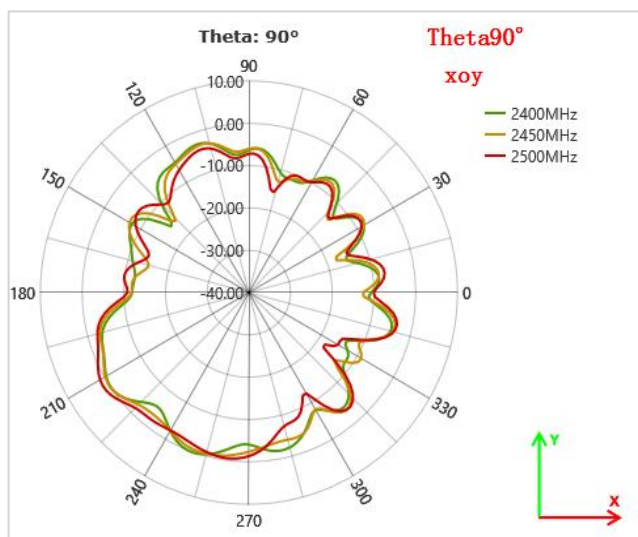
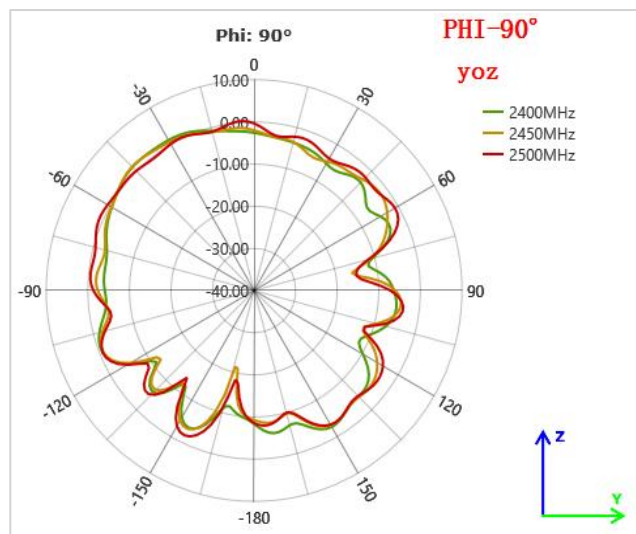
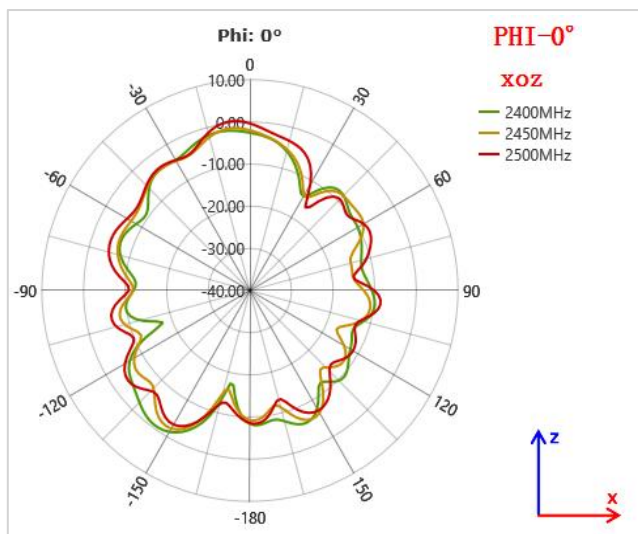
Editor:

Rev: R:A0

Page 6 of 8

2-2 2D/3D Radiation Pattern Results

2. 4G



ANTENNA SPECIFICATION

CUS P/N:

ZTX P/N:SWH5-WIFI-1-V02

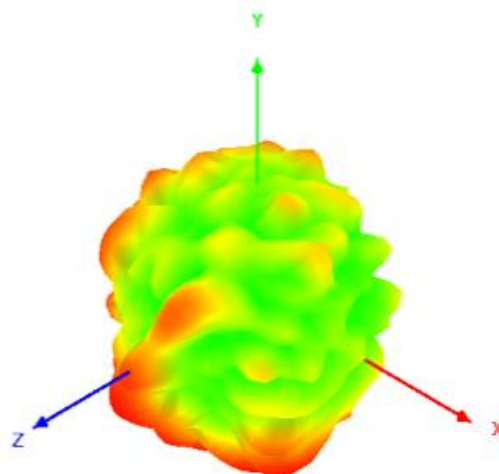
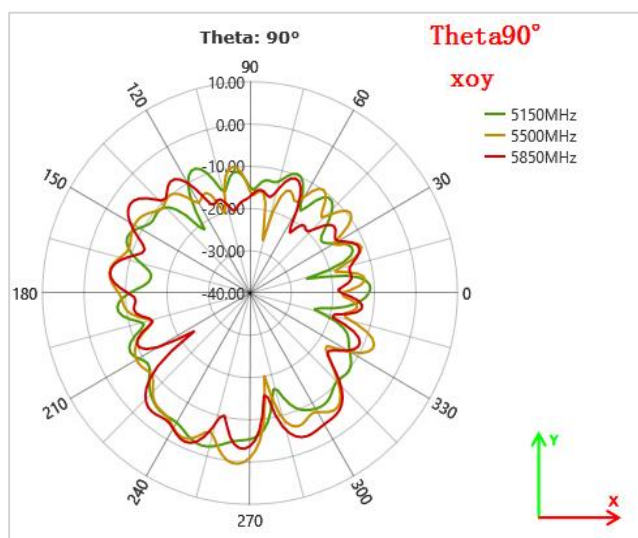
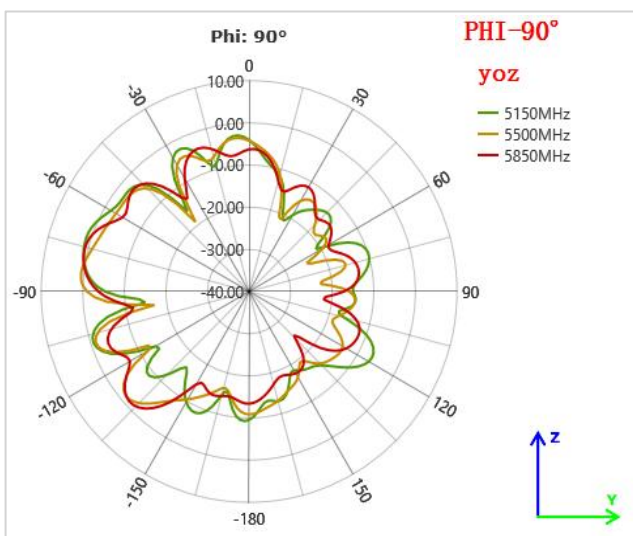
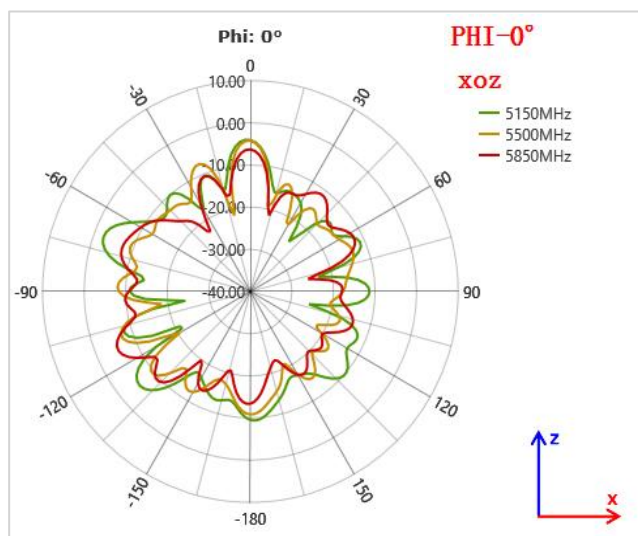
Application Date:Jul,02,2025

Editor:

Rev: R:A0

Page 7 of 8

5G



ANTENNA SPECIFICATION

CUS P/N:

ZTX P/N:SWH5-WIFI-1-V02

Application Date:Jul,02,2025

Editor:

Rev: R:A0

Page 8 of 8

6G

